

Converting Colors

XYZ(29.1423, 14.5335, 23.4953)

Have a look what the booklet for
XYZ(29.1423, 14.5335, 23.4953)
contains.

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Color

**XYZ(29.1355, 14.5308,
23.4594)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0085
RGB	204, 0, 133
RGB Percent	80%, 0%, 52%
CMY	0.2000, 0.9999, 0.4784
CMYK	0.00, 1.00, 0.35, 0.20
HSL	321°, 100%, 40%
HSV	321°, 100%, 80%
XYZ	29.1355, 14.5308, 23.4594
YIQ	76.1580, 78.8910, 84.6110

Conversions

Conversions Part 2

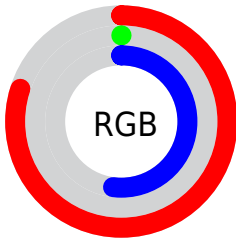
Format	Color
RYB	204, 0, 133
Decimal	13369477
CIELab	44.98, 74.27, -14.75
CIElCh	45, 75.716, 348.764
Yxy	14.5308, 0.4340, 0.2165
Android (android.graphics.Color)	4291559557 (0xFFCC0085)
YUV	76.1580, 28.0231, 112.1174
Hunter-Lab	38.1193, 69.7232, -9.8048

Details

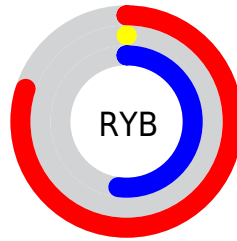
The XYZ color **29.1355, 14.5308, 23.4594** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **22.7318, 43.6415, 13.1926**, and the grayscale version is **6.8421, 7.1984, 7.8391**.

A 20% lighter version of the original color is **53.6753, 31.9499, 49.7923**, and **13.0629, 6.5538, 8.7601** is the 20% darker color. If you saturate the color by 10%, you get **29.1347, 14.5305, 23.4551**, and if you desaturate by 10%, it is **29.9009, 15.2496, 26.2177**.

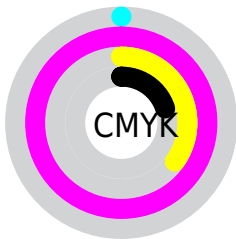
Distribution



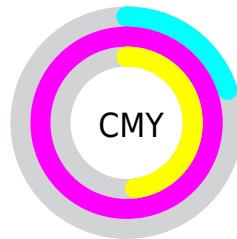
- Red (80%)
- Green (0%)
- Blue (52%)



- Red (80%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.1355, 14.5308, 23.4594 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.1355, 14.5308, 23.4594 by changing the saturation by 10% instead.


 29.1355, 14.5308,
23.4594


 29.1355, 14.5308,
23.4594


289.8364,
220.5084, 283.2739


 19.3281, 8.4908,
14.7246


 57.6884, 34.0279,
50.0793

 12.0130, 4.4105,
8.4819


 77.1646, 48.2538,
68.8015


 6.8248, 1.9058,
4.3126


 100.5945, 65.9771,
91.6899

 3.3981, 0.5518,
1.7984

 128.3434, 87.5822,
119.1630

 1.3676, 0.0000,
0.4269

 160.7767,
113.4535, 151.6394

 0.2330, 0.0000,
0.0000

 198.2597,

 0.0000, 0.0000,

143.9753, 189.5377

0.0000

241.1579,
179.5322, 233.2763

■ 29.1355, 14.5308,
23.4594

■ 29.1355, 14.5308,
23.4594

■ 29.1347, 14.5305,
23.4551

■ 29.9009, 15.2496,
26.2177

■ 30.9715, 16.5248,
29.2444

■ 32.4413, 18.5432,
32.5741

■ 34.3605, 21.4046,
36.2263

■ 36.7719, 25.1931,
40.2182

■ 39.7126, 29.9826,
44.5651

■ 43.2165, 35.8396,
49.2809

■ 47.3143, 42.8247,
54.3786

■ 52.0345, 50.9941,
59.8703

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.8703, 14.5308, 50.7374



29.1355, 14.5308, 23.4594



28.4734, 14.5308, 7.1770

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.1355, 14.5308, 23.4594



10.3167, 14.5308, 0.4102



7.3434, 14.5308, 57.9563

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.1355, 14.5308, 23.4594



22.7318, 43.6415, 13.1926

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.3126, 14.5308, 29.5599



29.1355, 14.5308, 23.4594



6.6399, 14.5308, 2.2938

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.1355, 14.5308, 23.4594



16.2694, 14.5308, 0.2303



5.1010, 14.5308, 10.0526



11.6138, 14.5308, 78.5995

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.1355, 14.5308, 23.4594



25.3633, 14.5308, 2.6198



5.1010, 14.5308, 10.0526



6.4389, 14.5308, 48.3212

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.1359, 14.5316, 23.4596



71.3152, 58.9222, 81.2831



13.2850, 5.5902, 57.5057



14.7124, 11.6842, 16.6700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1359, 14.5316, 23.4596



48.1445, 24.0218, 38.2887



25.1914, 12.9538, 2.6882



11.5152, 11.3348, 13.2478



18.3831, 9.1638, 15.0020



0.9833, 0.4867, 0.9582

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.1359, 14.5316, 23.4596



48.1445, 24.0218, 38.2887



28.8496, 46.0886, 45.4086



11.5152, 11.3348, 13.2478



18.3831, 9.1638, 15.0020



0.9833, 0.4867, 0.9582

Previews

White Background



This preview shows how the XYZ color 29.1355, 14.5308, 23.4594 looks on a white background.

Color Contrast Check

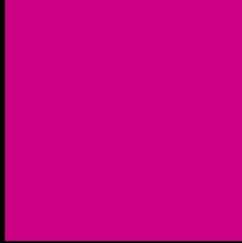
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.1355, 14.5308, 23.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1355, 14.5308, 23.4594

Background



This preview shows how black text looks on a background with the XYZ color 29.1355, 14.5308, 23.4594.



This preview shows how white text looks on a background with the XYZ color 29.1355, 14.5308,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.1355, 14.5308, 23.4594

Protanopia

16.9741, 15.3279, 50.7791

Deuteranopia

15.4742, 15.2080, 21.1886



Tritanopia

25.5159, 14.9642, 5.1580

Trichromacy



Original Color

29.1355, 14.5308, 23.4594



Protanomaly

16.7763, 10.8008, 38.7367



Deuteranomaly

17.5150, 11.5664, 21.3881



Tritanomaly

26.2208, 14.1861, 9.5398

Monochromacy



Original Color

29.1355, 14.5308, 23.4594



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3830, 7.1879, 12.0967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1355, 14.5308, 23.4594 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 133)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 133) }
```

Border

The CSS property to change the border of an element to XYZ 29.1355, 14.5308, 23.4594 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 0, 133) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 0, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 0, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1355, 14.5308, 23.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 133) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204, 0,  
133) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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